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DIALOG(R)File 351: Derwent WPI

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WPI Acc no: 2001-176528/
XRAM Acc no: C2001-053017
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Fire-resistant electrical wire formed by coating silicone polymer composition including fine silica powder on conductor as fire resistant layer and extrusion coating insulator onto fire-resistant layer
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Patent Family: 1 patents, 1 countries

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2001035267	A	20010209	JP 1999207694	A	19990722	200118	B

Priority Applications (no., kind, date): JP 1999207694 A 19990722

Patent Details					
Patent Number	**Kind**	**Lan**	**Pgs**	**Draw**	**Filing Notes**
JP 2001035267	A	JA	8	6	

Alerting Abstract JP A
NOVELTY - Fire-resistant electrical wire is formed by coating a silicone polymer composition including fine silica powder on a conductor as a fire resistant layer and extrusion coating an insulator onto the fire-resistant layer.
DESCRIPTION - An INDEPENDENT CLAIM is also included for a fire-resistant cable where a sheath layer is formed on the wire by extruding a fire-resistant olefin resin layer on the insulator.
USE - Used in manufacturing electrical cables which are fire resistant.
ADVANTAGE - Cracking in the fire-resistant layer during combustion are reduced.
DESCRIPTION OF DRAWINGS - Figure 1 shows the wire (drawing contains non-English text).
2 Conductor
4 Insulator
12 Fire-Resistant Layer
(16 Insulation Core Wire
17 Inclusion
18 Winding Tape
19 Sheath
20 Cable

Technology Focus

POLYMERS - Preferred Materials: The silicone polymer composition includes 50-300 weight parts fine mica powder and 0-20 weight parts inorganic fibre material based on 100 weight parts silicone polymer. The mica powder has a diameter of up to 150 microns and a thickness of up to 10 microns.

Basic Derwent Week: 200118